

	Type	Hits	Search Text	DBs
58	BRS	1	fukasawa-mikio.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
59	BRS	0	system-support.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
60	BRS	0	system-support-inc.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
61	BRS	223750	(monitor\$3 with (software or application\$1 or process\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
62	BRS	2618	S79 and ((idle or "non-active") with (active or usage or work\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
63	BRS	1425	S80 and @ad<"20000808"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
64	BRS	1056	S81 and (rate or ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
65	BRS	102	S82 and ((display\$3 or output\$4 or list\$3) with time with (rate or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
66	BRS	411034	((monitor\$3 or track\$3 or manag\$3) with (access\$2 or software\$1 or application\$1 or process\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
67	BRS	1296	S84 and (((idle or "non-active") with (time or rate or ratio)) same ((active or usage or work\$3) with (time or rate or ratio)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
68	BRS	90	S85 and ((display\$3 or output\$4 or list\$3) with time with (rate or ratio))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
69	BRS	51	S86 and @ad<"20000808"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
70	BRS	2	"5388268".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
71	BRS	20	("3559188" "3644936" "3668653" "3720814" "3906454" "4109309" "4251858" "4369494" "4521014" "4590550" "4860200" "4949248" "5103394" "5151978" "5159673" "5163151" "5165014" "5237684" "5245704").PN.	US-PGPUB; USPAT; USOCR
72	BRS	10	("5388268").URPN.	USPAT

	Time Stamp	Comments	Error Definition	Errors	Ref #
58	2005/06/13 13:43	UPdated inventor name search			S76
59	2005/06/13 13:43				S77
60	2005/06/13 13:43				S78
61	2005/06/13 15:56				S79
62	2005/06/13 15:57				S80
63	2005/06/13 15:59				S81
64	2005/06/13 15:41				S82
65	2005/06/13 15:59	Rev'd kwic/images			S83
66	2005/06/13 15:57				S84
67	2005/06/13 15:58				S85
68	2005/06/13 15:59	Rev'd kwic/images			S86
69	2005/06/13 16:23	Rev'd kwic/images			S87
70	2005/06/13 16:23				S88
71	2005/06/13 16:25				S89
72	2005/06/13 16:30				S90

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L11	2	"6651098".pn.	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:06	
2	BRS	L12	8	("20020042823" "6006264" "6070191" "6173322" "6314463" "6317786" "6321256" "6430618").PN.	US- PGPUB; USPAT; USOCR	2005/06/14 11:07	
3	BRS	L14	3	l12 and ((idle or "non- active") same (active or usage or work\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:15	
4	BRS	L15	7	l12 and (rate\$1 or ratio)	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:10	
5	BRS	L16	1	("6651098").URPN.	USPAT	2005/06/14 11:13	
6	BRS	L17	1469	"717"/\$.ccls. and (monitor\$3 or manag\$3) with (software\$1 or application\$1)	USPAT	2005/06/14 11:14	
7	BRS	L18	720	"717"/\$.ccls. and (monitor\$3 with (software\$1 or application\$1))	USPAT	2005/06/14 11:14	Rev'd images

8	BRS	L19	11	118 and ((idle or "non-active") with (active or usage or work\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:19	REv'd kwic/imag es
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
9	BRS	L20	20	117 and ((idle or "non-active") with (active or usage or work\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:19	REv'd kwic/imag es
10	BRS	L21	9	120 not 119	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:21	REv'd kwic/imag es
11	BRS	L22	1	("6651098", "5388268", "5964839", "5987611", "6697172", "6583794").pn. and ((idle or "non-active") with (active or us\$3 or work\$3) with (time or rate or ratio))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:29	
12	BRS	L23	1	("6651098", "5388268", "5964839", "5987611", "6697172", "6583794").pn. and ((idle or "non-active") with (time or rate or ratio))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:29	
13	BRS	L24	59444	((manag\$3 or monitor\$3) near3 (software or application\$1))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:54	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
14	BRS	L25	35	124 and (((usage or using) adj (time or rate\$1 or ratio)) with (active or non-idle or work\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T; IBM_TD B	2005/06/14 11:58	REv'd kwic/imag es



STIC Search Report

EIC 2100

STIC Database Tracking Number: 156393

TO: Minh D Nguyen
Location: RND 2A54
Art Unit : 2137
Tuesday, June 14, 2005

Case Serial Number: 09/922945

From: Carol Wong
Location: EIC 2100
RND 4A30
Phone: 272-3513

carol.wong@uspto.gov

Search Notes

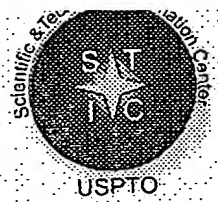
Dear Examiner Nguyen,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Due to the 3-hr F&F time limitation, only foreign patent files have been searched. Pls submit another request if you wish the NPL files searched.

Please call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks,
Carol



STIC EIC 2100 Search Request Form

156393

Today's Date:

6/14/05

What date would you like to use to limit the search?

Priority Date: 8/8/2006

Other:

Name Minh D. Nguyen

AU 2137 Examiner # 79995

Room # 2A54 Phone 2-3873

Serial # 09/922945

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI Other EAST

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

multiple

* monitoring software products (or processes or accesses) and logging usage time, idle time of each product and all products (total)

* calculate usage rate, idle rate of each product and all products
ratio ratio

STIC Searcher

C. Wang

Phone

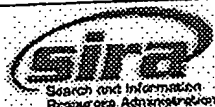
272-3513

Date picked up

6-14-05

Date Completed

6-14-05



File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200537

(c) 2005 Thomson Derwent

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Set	Items	Description
S1	47228	LOG OR LOGS OR LOGGED OR LOGGING OR LOGFILE?
S2	941759	RECORD OR RECORDS OR RECORDED OR RECORDING
S3	469767	HISTORY? OR HISTORIC?? ? OR HISTORIES OR LEDGER? OR CHRONO- LOG? OR CATALOG? OR TABLE? ? OR CAPTUR?
S4	453535	COLLECT?? ? OR COLLECTING
S5	9583548	USE OR USED OR USAGE? OR ACTIVITY? OR ACCESS OR ACCESSES OR ACCESSED OR ACCESSING OR UTILIS? OR UTILIZ?
S6	3374002	TIME OR TIMES OR MINUTE? ? OR HOUR? ?
S7	221280	S5(3N) (S6 OR DATA)
S8	585943	TOTAL? ? OR CUMULATIVE? OR ACCUMULATIVE? OR OVERALL OR AGG- REGAT?
S9	173073	IDLE? ? OR INACTIV? OR NONACTIV? OR UNACTIV? OR (NON OR UN-) () ACTIVE OR LATENT OR QUIESCEN? OR DORMAN?
S10	2427077	SUMMATION? OR SUMMED OR SUM OR SUMMING OR CALCULAT? OR MEA- SUR??? ? OR MEASUREMENT? OR DETERMIN? OR DET? ? OR COMPUTAT?
S11	166855	COMPUTE OR COMPUTES OR COMPUTED OR COMPUTING
S12	759787	ASSESS? OR ANALYS? OR ANALYT? OR ANALYZ? OR QUANTIF? OR DE- RIV??? ? OR DERIVATION?
S13	2483571	GENERAT??? ? OR QUANTITAT? OR COMPIL? OR TABULAT?
S14	6516	S7(5N) (INDIVIDUAL OR INDIVIDUALLY OR EACH OR SINGLY OR API- ECE OR ITEMIS? OR ITEMIZ?)
S15	1058	S7(5N)S8
S16	9299	S9(3N) (S6 OR DATA)
S17	39439	S5(3N) (RATE OR RATES OR RATIO OR RATIOS OR SCORE? ? OR SCO- RING? OR RATING? OR RANK?)
S18	3894	S17(5N)S10:S13
S19	12066	S1:S4(5N) (S7 OR S16)
S20	72	S19 AND S15
S21	2	S20 AND S17:S18
S22	515	S19 AND S14
S23	7	S22 AND S17:S18
S24	154054	S1:S4(5N)S5
S25	14413	S24 AND (S7 OR S16)
S26	88	S25 AND S15
S27	3	S26 AND S17:S18
S28	661	S25 AND S14
S29	12	S28 AND S17:S18
S30	8607	IC='G06F-011/34'
S31	93	S30 AND (S14 OR S16)
S32	1	S31 AND S15
S33	8	S30 AND S15
S34	70	S30 AND S17
S35	34	S34 AND S18
S36	10	S34 AND S31
S37	58	S21 OR S23 OR S27 OR S29 OR S32:S33 OR S35:S36
S38	58	IDPAT (sorted in duplicate/non-duplicate order)
S39	57	IDPAT (primary/non-duplicate records only)

? t39/9/2,5-7,10-13,15,19-21,24,26,28,30,32,39,41,45-46,49

39/9/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016264454 **Image available**

WPI Acc No: 2004-422348/200440

XRPX Acc No: N04-335028

Electronic audit system for industrial control system, has tracking component for aggregating real time access operations of industrial control components

Patent Assignee: ROCKWELL SOFTWARE INC (ROCK-N)

Inventor: HAMILTON J L

Number of Countries: 031 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1422585	A2	20040526	EP 200319418	A	20030828	200440 B

Priority Applications (No Type Date): US 2002299496 A 20021119

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1422585	A2	E	25 G05B-019/4063	

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): EP 1422585 A2

NOVELTY - A recording component stores log of real-time accessing of multiple industrial control components such as programmable logic controller (PLC) and robotic system. A tracking component **aggregates** the real- **time access** operations so as to facilitate generation of audit data related to the industrial control components.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) industrial control process verification method; and

(2) computer readable recorded medium storing industrial control process verification program.

USE - For facilitating recording and tracking of access to industrial control system for factory automotive e.g. programmable logical controller, communication module, input/output module, computer aided design (CAD) system, drive system, robotic system or manufacturing cell.

ADVANTAGE - Automotive generation of audit reports with respect to control system interactions is achieved. More controlled and secure auditing environment is possible.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the electronic audit system.

pp; 25 DwgNo 1/12

Technology Focus:

TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The Ethernet protocol used for electronic audit system conforms to IEEE 802.3 specification.

Title Terms: ELECTRONIC; AUDIT; SYSTEM; INDUSTRIAL; CONTROL; SYSTEM; TRACK; COMPONENT; AGGREGATE; REAL; TIME; ACCESS; OPERATE; INDUSTRIAL; CONTROL; COMPONENT

Derwent Class: T01; T06; U21; W01; W05

International Patent Class (Main): G05B-019/4063

International Patent Class (Additional): G06F-001/00; G06F-011/32;

G06F-011/34

File Segment: EPI

Manual Codes (EPI/S-X): T01-J07B1; T01-S03; T06-A04B1; T06-A08; U21-C01E; W01-A06B5A; W01-A06F1A; W05-D07B

39/9/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014470846 **Image available**

WPI Acc No: 2002-291549/200233

XRPX Acc No: N02-227678

Computer monitoring system for determining application software usage efficiency, calculates usage time and usage rate of application software products, based on use state recorded by monitored computer

Patent Assignee: SYSTEM SUPPORT KK (SYST-N); FUKASAWA M (FUKA-I)

Inventor: FUKASAWA M

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020026589	A1	20020228	US 2001922945	A	20010807	200233 B
JP 2002358216	A	20021213	JP 2001198427	A	20010629	200311

Priority Applications (No Type Date): JP 2001198427 A 20010629; JP

2000239356 A 20000808; JP 200197057 A 20010329

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20020026589	A1		18	G06F-011/30	
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JP 2002358216	A		12	G06F-011/34	
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Abstract (Basic): US 20020026589 A1

NOVELTY - A monitored computer records use state of application software products. A monitoring computer acquires the recorded data from the monitored computer, to **calculate usage time and usage rate** of the application software products excluding **idle state time**, for output of application software usage efficiency.

USE - For monitoring a computer to determine its usage efficiency and illegal activity in e-mail transmission/reception, Internet browsing or application software installation.

ADVANTAGE - Contributes better personnel administration by monitoring characters input to monitored computer. Promotes proper use of monitored computers, using log of installed/un-installed software of the monitored computer. Business operation are easily improved by summing up use states of application software at each duty post from record at monitored computer. Illegal mail transmission/reception is avoided by monitoring mail transmission/reception at the monitored computer. Enables determining popular websites in business operation by acquiring log on home page accesses made at the monitored computers.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart illustrating log acquisition in a manager software.

pp; 18 DwgNo 6/8

Title Terms: COMPUTER; MONITOR; SYSTEM; DETERMINE; APPLY; SOFTWARE;

EFFICIENCY; CALCULATE; TIME; RATE; APPLY; SOFTWARE; PRODUCT; BASED; STATE
; RECORD; MONITOR; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-011/30; **G06F-011/34**

International Patent Class (Additional): G06F-013/00; G06F-015/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-G05C; T01-J20C; T01-N02B1B; T01-N02B2;

T01-N03A1; T01-S02

39/9/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014243996 **Image available**

WPI Acc No: 2002-064696/200209

XRPX Acc No: N02-048092

Data distribution system for e.g. interpersonal mail transfer, has usage unit which utilizes delivery data depending on demand and notifies

usage log information when data are used

Patent Assignee: SONY CORP (SONY)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001306954	A	20011102	JP 2000126264	A	20000420	200209 B

Priority Applications (No Type Date): JP 2000126264 A 20000420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001306954	A	46	G06F-017/60	

Abstract (Basic): JP 2001306954 A

NOVELTY - A delivery unit send delivery data according to predetermined conditions. A partition ratio memory unit stores distribution ratio of usage value for each entity. A usage unit utilize delivery data depending on demand and notifies usage log information when the data are used. A distribution unit send the usage value to the entities based on usage log information and distribution ratio.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a data distribution method;
- (b) a value allocation processing apparatus;
- (c) and a value allocation method.

USE - For e.g. interpersonal mail transfer and news delivery.

ADVANTAGE - Performs correct delivery of desired data to distribution places via media e.g. communication channel.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of an EMD system.

pp; 46 DwgNo 1/43

Title Terms: DATA; DISTRIBUTE; SYSTEM; MAIL; TRANSFER; UNIT; DELIVER; DATA; DEPEND; DEMAND; NOTIFICATION; LOG; INFORMATION; DATA

Derwent Class: P86; T01; W02

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): G10K-015/02; H04N-007/173

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-J05A; W02-F10

39/9/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013796163 **Image available**

WPI Acc No: 2001-280374/200129

XRPX Acc No: N01-199831

Method for counting and displaying the network traffic utilization rate and apparatus thereof - having the characteristics of smaller distortion delay and lower production cost

Patent Assignee: WINBOND ELECTRONICS CORP (WINB-N)

Inventor: CHEN Y; JIANG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 405071	A	20000911	TW 97116771	A	19971111	200129 B

Priority Applications (No Type Date): TW 97116771 A 19971111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes

TW 405071 A

G06F-011/34

Abstract (Basic): TW 405071 A

NOVELTY - When a network system is transmitting data, the method and apparatus of the invention is used to count the network traffic **utilization rate**. At the same time, the network traffic **utilization rate** is displayed. When comparing with the traditional method for counting and displaying the network traffic **utilization rate** by software, this invention has the characteristics of smaller distortion delay and lower production cost. The apparatus generates a preset pulse signal according to the bandwidth of the network system and sets a basic count value for the network traffic. Said basic count value for the network traffic is the data traffic count proportional to the bandwidth of said network system. When counting the traffic **utilization rate**, the apparatus of the invention receives the signal from the network physical layer and counts the number of times as said signal is equal to the basic traffic count value during every preset pulse signal. According to said number of times, the traffic **utilization rate** is acquired. While said traffic **utilization rate** is displayed, one current traffic **utilization rate** during the current pulse signal is compared to one previous traffic **utilization rate** during the previous pulse signal. According to the result of the comparison, an output signal of the network traffic **utilization rate** is **generated** and sent to a display driver. Therefore, the display of said traffic **utilization rate** is more readable.

DwgNo 1/1

Title Terms: METHOD; COUNT; DISPLAY; NETWORK; TRAFFIC; RATE; APPARATUS; CHARACTERISTIC; SMALLER; DISTORT; DELAY; LOWER; PRODUCE; COST

Derwent Class: T01

International Patent Class (Main): G06F-011/34

File Segment: EPI

Manual Codes (EPI/S-X): T01-G05C1

39/9/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012511785 **Image available**

WPI Acc No: 1999-317891/199927

XRPX Acc No: N99-238113

Durability management system of apparatus like battery, power supply in computer system - calculates total operating time of each apparatus with respective durability time and outputs durability information accordingly

Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11110259	A	19990423	JP 97269777	A	19971002	199927 B

Priority Applications (No Type Date): JP 97269777 A 19971002

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11110259	A	5	G06F-011/34	

Abstract (Basic): JP 11110259 A

NOVELTY - Computer (1) has calculation unit which calculates total operation of each apparatus. Indication unit informs durability information of **each** apparatus, by comparing computed **total usage time** with respective durability time. DETAILED DESCRIPTION - An

INDEPENDENT CLAIM is also included for memory medium which stores apparatus durability management program.

USE - In computer system, electronic machines for computing durability of various apparatus like fan, recording disc, battery, power supply.

ADVANTAGE - Enables to inform durability of each apparatus beforehand and prevent system failure. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of computer system. (1) Computer.

Dwg.1/3

Title Terms: DURABLE; MANAGEMENT; SYSTEM; APPARATUS; BATTERY; POWER; SUPPLY ; COMPUTER; SYSTEM; CALCULATE; TOTAL; OPERATE; TIME; APPARATUS; RESPECTIVE; DURABLE; TIME; OUTPUT; DURABLE; INFORMATION; ACCORD

Derwent Class: T01

International Patent Class (Main): G06F-011/34

File Segment: EPI

Manual Codes (EPI/S-X): T01-G05C1

39/9/11 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011718508 **Image available**

WPI Acc No: 1998-135418/199813

XRPX Acc No: N98-107242

Information retrieval apparatus in computer network - allocates rank to each document according to access frequency based on which 2D graphic/character string information is displayed

Patent Assignee: HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10011458	A	19980116	JP 96164105	A	19960625	199813 B

Priority Applications (No Type Date): JP 96164105 A 19960625

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10011458	A		9	G06F-017/30	

Abstract (Basic): JP 10011458 A

The apparatus has a storage unit (2) which stores an electronic document. A monitoring unit monitors the information regarding access to the document stored in the storage unit. The monitoring result is stored in an **access log** database (3). A **log** search display part (4) displays the information in the **access log** database during document search operation. A display part (5) displays the document which is selected by the operator based on the display result of a log search display part.

The documents recorded in the database are then divided into several groups based on the available **access time**. Under each group, each document is allocated with a **rank**, based on the **access** frequency. Based on the ranking of the document, a 2D graphic/character string information is displayed on the document.

ADVANTAGE - Enables effective utilisation of previously stored search operation information in **access log** database. Facilitates searching of relevant information. Enables automatic production of **access log** database. Simplifies operation.

Dwg.1/14

Title Terms: INFORMATION; RETRIEVAL; APPARATUS; COMPUTER; NETWORK; ALLOCATE ; RANK; DOCUMENT; ACCORD; ACCESS; FREQUENCY; BASED; GRAPHIC; CHARACTER;

STRING; INFORMATION; DISPLAY
Derwent Class: T01
International Patent Class (Main): G06F-017/30
International Patent Class (Additional): G06F-003/14; G06F-012/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-G05C1; T01-J05B4M

39/9/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011638415 **Image available**
WPI Acc No: 1998-055323/199806
XRPX Acc No: N98-043827

Performance monitoring method for bus in computer system - involves
counting predetermined total period, and measuring usage of bus for
data transfers during total period

Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: CULLEY P R; GOODRUM A L
Number of Countries: 020 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 817058	A2	19980107	EP 97303792	A	19970604	199806 B
JP 10063615	A	19980306	JP 97162110	A	19970605	199820
US 5819053	A	19981006	US 96658696	A	19960605	199847
EP 817058	B1	20030813	EP 97303792	A	19970604	200355
DE 69724048	E	20030918	DE 624048	A	19970604	200369
			EP 97303792	A	19970604	

Priority Applications (No Type Date): US 96658696 A 19960605

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 817058	A2	E	201	G06F-011/34	
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
JP 10063615	A		139	G06F-013/362	
US 5819053	A			H01J-013/00	
EP 817058	B1	E		G06F-011/34	
Designated States (Regional): DE FR GB IT					
DE 69724048	E			G06F-011/34	Based on patent EP 817058

Abstract (Basic): EP 817058 A

The monitoring method of a bus in a computer system involves
counting a predetermined total period, and measuring usage of the bus
for data transfers during the total period.

The measuring step includes monitoring the bus for active cycles
and counting a period in which the active cycles are present during the
total period. The bus is monitored for cycles in which data transfer is
occurring and a period in which the data transfer cycles are present
during the total period counted. The bus efficiency is determined based
on the active cycle period and data transfer period.

ADVANTAGE - Different bus performances can be determined. Bus
performance information can be stored on device by device basis to
better distinguish between devices which perform well and those which
perform poorly.

Dwg.1/101

Title Terms: PERFORMANCE; MONITOR; METHOD; BUS; COMPUTER; SYSTEM; COUNT;
PREDETERMINED; TOTAL; PERIOD; MEASURE; BUS; DATA; TRANSFER; TOTAL; PERIOD
Derwent Class: T01
International Patent Class (Main): G06F-011/34 ; G06F-013/362; H01J-013/00

International Patent Class (Additional): G06F-013/36
File Segment: EPI
Manual Codes (EPI/S-X): T01-H05B3; T01-H07A2

39/9/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011145610 **Image available**
WPI Acc No: 1997-123534/199712
XRPX Acc No: N97-101823

Hierarchical memory system using cache, hard disc and portable disc
medium configuring method in establishments handling voluminous data - in
which distribution of data into each memory device is computed based on
access rate of each device and volume of data extracted from each
device

Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9006678	A	19970110	JP 95151729	A	19950619	199712 B

Priority Applications (No Type Date): JP 95151729 A 19950619

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9006678	A		20	G06F-012/08	

Abstract (Basic): JP 9006678 A

The method is applicable to a set of memory devices such as a cache
memory (1), a hard disk (2), a portable memory drive appts (3) and an
auto changer (4) which are arranged hierarchically. The access log
of data stored in each memory device is determined and is stored in
a management table (30) of each memory device.

The distribution of data in each memory device and the rate of
access to these data is obtained. The access log and the
information on the access rate is used to and all possible
combinations of data to be stored in corresponding memory devices is
calculated. This computation is performed by taking the speed and cost
factors into consideration.

ADVANTAGE - Performs optimum allocation by taking cost into
consideration.

Dwg.1/19

Title Terms: HIERARCHY; MEMORY; SYSTEM; CACHE; HARD; DISC; PORTABLE; DISC;
MEDIUM; METHOD; ESTABLISH; HANDLE; VOLUME; DATA; DISTRIBUTE; DATA; MEMORY
; DEVICE; COMPUTATION; BASED; ACCESS; RATE; DEVICE; VOLUME; DATA; EXTRACT
; DEVICE

Derwent Class: T01; U14

International Patent Class (Main): G06F-012/08

File Segment: EPI

Manual Codes (EPI/S-X): T01-H03A; U14-A08B

39/9/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009264244 **Image available**
WPI Acc No: 1992-391655/199248
XRPX Acc No: N92-298740

Dynamic migration of software - places statistical collection routing which tracks file usage within path lock up process of operating system
Patent Assignee: HEWLETT-PACKARD CO (HEWP); AGILENT TECHNOLOGIES INC (AGIL-N)

Inventor: KAO P

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 515073	A2	19921125	EP 92304250	A	19920512	199248 B
EP 515073	A3	19930317	EP 92304250	A	19920512	199350
US 5313631	A	19940517	US 91703561	A	19910521	199419
EP 515073	B1	19980311	EP 92304250	A	19920512	199814
DE 69224678	E	19980416	DE 92624678	A	19920512	199821
			EP 92304250	A	19920512	
JP 3545428	B2	20040721	JP 92152732	A	19920520	200448

Priority Applications (No Type Date): US 91703561 A 19910521

Cited Patents: No-SR.Pub; 2.Jnl.Ref; US 4703422

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 515073	A2	E	13	G06F-012/08	
Designated States (Regional): DE FR GB					
EP 515073	A3			G06F-012/08	
US 5313631	A		12	G06F-013/00	
EP 515073	B1	E	18	G06F-012/08	
Designated States (Regional): DE FR GB					
DE 69224678	E			G06F-012/08	Based on patent EP 515073
JP 3545428	B2		13	G06F-012/00	Previous Publ. patent JP 5158770

Abstract (Basic): EP 515073 A

The method involves **determining** a file **access rate** over a set time period for each of the number of computer data files (302,310,312). One of the number of computer data files is migrated between the primary storage device and the secondary storage device when the file **access rate** is different from a set value during the predetermined time period (412,414,430 and 432).

The above step is repeated for **each** of the number of computer **data** files. The **usage** value is updated **each** time the corresponding computer **data** file is **accessed**.

USE/ADVANTAGE - Operating system software for networked computers. Maintains statistics of usage.

Dwg.1/5

Abstract (Equivalent): EP 515073 B

The method involves **determining** a file **access rate** over a set time period for each of the number of computer data files (302,310,312). One of the number of computer data files is migrated between the primary storage device and the secondary storage device when the file **access rate** is different from a set value during the predetermined time period (412,414,430 and 432).

The above step is repeated for **each** of the number of computer **data** files. The **usage** value is updated **each** time the corresponding computer **data** file is **accessed**.

USE/ADVANTAGE - Operating system software for networked computers. Maintains statistics of usage.

Dwg.1/5

Abstract (Equivalent): US 5313631 A

A statistic summarisation process runs as a task of the operating system and periodically **accesses** the statistics **collected** by the statistics collection routine and updates a database. A file migration process is scheduled to run periodically to examine the database

information.

Files that have a predetermined **usage** during the **time** may be migrated, based on user criteria, between a primary, high speed, storage device and a secondary, slow speed, storage device. The secondary storage device might be a network file server attached to a local area network, a read-only device, or other storage device.

USE/ADVANTAGE - System that places statistical collection routine, which tracks file usage, within path lockup process of operating system.

Dwg.4/5

Title Terms: DYNAMIC; MIGRATION; SOFTWARE; PLACE; STATISTICAL; COLLECT;
ROUTE; TRACK; FILE; PATH; LOCK; UP; PROCESS; OPERATE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-012/00; G06F-012/08; G06F-013/00

International Patent Class (Additional): G06F-012/12

File Segment: EPI

Manual Codes (EPI/S-X): T01-H03A; T01-J03; T01-J05B4

39/9/19 (Item 19 from file: 347)

DIALOG(R)File 347:JAPIO

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08152194 **Image available**

CPU UTILIZATION RATE MEASURING SYSTEM.

PUB. NO.: 2004-264954 [JP 2004264954 A]

PUBLISHED: September 24, 2004 (20040924)

INVENTOR(s): KATAOKA HIROSHI

APPLICANT(s): NEC CORP

NEC MOBILING LTD

APPL. NO.: 2003-052566 [JP 200352566]

FILED: February 28, 2003 (20030228)

INTL CLASS: G06F-011/34

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system for **calculating** more accurate CPU **utilization rate** .

SOLUTION: A CPU 11 has a task-to-be-measured registering function for registering one of the idle tasks created for each application as the task to be measured; an idle task measuring function for measuring the run **time** of each **idle** task registered when the CPU 11 is at idle; and a **utilization rate calculating** function for **calculating** the rate at which the CPU 11 is utilized by each application corresponding to each idle task, on the basis of the measured run **time** of each **idle** task. The task-to-be-measured registering function monitors if the idle task of each application is generated or deleted; when the function detects that the idle task is generated or deleted, among the existing idle tasks, that which is lowest in the order of precedence for processing by the CPU 11 is registered as the task to be measured.

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39/9/20 (Item 20 from file: 347)

DIALOG(R)File 347:JAPIO

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07762334 **Image available**
PROCESS STALL MONITORING METHOD AND SYSTEM

PUB. NO.: 2003-256243 [JP 2003256243 A]
PUBLISHED: September 10, 2003 (20030910)
INVENTOR(s): FUJITA NORIFUMI
APPLICANT(s): NEC SYSTEM TECHNOLOGIES LTD
APPL. NO.: 2002-051425 [JP 200251425]
FILED: February 27, 2002 (20020227)
INTL CLASS: G06F-011/30; G06F-011/34

ABSTRACT

PROBLEM TO BE SOLVED: To solve the problem that it is impossible for a conventional process stall monitoring method and system to monitor a process which is not provided with any process operation information transmitting function.

SOLUTION: In a computer 1 in which the processor **use rate** or **use time** of **each** operating process is periodically recorded, a monitoring process 21 monitors the stall of processes 24-2N to be monitored by periodically referring to a processor **use ratio** chart 22, and when there is any process name, and there is any process whose processor **use rate** and **use time** is 0, the monitoring process 21 judges that the process is stalled, and makes a monitor result area 23 record the process name, and makes an output means 3 output it. The monitoring processor 21 is provided with a monitor interval adjusting means 211 for automatically matching the reference period of a process **use rate** chart 22 with the update period of the chart.

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39/9/21 (Item 21 from file: 347)
DIALOG(R)File 347:JAPIO
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07455469 **Image available**
METHOD AND DEVICE FOR **CALCULATING UTILIZATION RATE OF COMPUTING**
EQUIPMENT, MEMORY ELEMENT AND COMPUTER PROGRAM

PUB. NO.: 2002-323984 [JP 2002323984 A]
PUBLISHED: November 08, 2002 (20021108)
INVENTOR(s): BOETTCHER JENS
APPLICANT(s): ROBERT BOSCH GMBH
APPL. NO.: 2002-058817 [JP 200258817]
FILED: March 05, 2002 (20020305)
PRIORITY: 01 10110444 [DE 10110444], DE (Germany), March 05, 2001
 (20010305)
INTL CLASS: G06F-009/46; G06F-011/34

ABSTRACT

PROBLEM TO BE SOLVED: To **calculate** the **utilization rate** of **computing** equipment as accurate and reliable as possible with a high dynamic characteristic.

SOLUTION: In this method for **calculating** the **utilization rate** of the **computing** equipment that processes computer programs divided respectively into a plurality of tasks (A, B and C) having at least one process, a time

interval (T) is selected so as to start at least one task (A, B or C) during a minus time interval (T) and also to end the task, the run time (tLaufzeit) of the tasks (A, B and C) is calculated after the end of one or the respective tasks (A, B and C) during the minus time interval (T), and also, when the tasks (A, B and C) subjected to minus end are interrupted by at least one of the other tasks (A, B and C), the run time of one or each of the other tasks (A, B and C) is subtracted from the calculated run time (tLaufzeit).

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39/9/24 (Item 24 from file: 347)

DIALOG(R)File 347:JAPIO

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06856612 **Image available**

METHOD AND SYSTEM FOR REPORTING DISK ACTIVITY RATIO IN DISK SUBSYSTEM

PUB. NO.: 2001-084114 [JP 2001084114 A]

PUBLISHED: March 30, 2001 (20010330)

INVENTOR(s): GOODGOLD STUART R

AZEVEDO RUTH ENID

MCNUTT BRUCE

APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)

APPL. NO.: 2000-236944 [JP 2000236944]

FILED: August 04, 2000 (20000804)

PRIORITY: 386252 [US 99386252], US (United States of America), August 31, 1999 (19990831)

INTL CLASS: G06F-003/06; G06F-011/34

ABSTRACT

PROBLEM TO BE SOLVED: To allow an open system host to obtain disk **activity ratio** characteristics by transferring a parameter pertaining to a disk array to a host so as to **calculate** a disk **activity ratio** on the basis of this parameter.

SOLUTION: An open system host 204 communicates with a disk subsystem 202 by being connected with a processor 210 through an Internet connection. A specialist 212 in the processor 210 collects parameters pertaining to disk characteristics. This parameter is transferred to an expert 214 in the host 204. The expert 214 **calculates** a disk **activity ratio** from the parameter. This calculation is executed by a disk **activity ratio** routine 216 in the expert 214. The disk **activity ratio** is displayed in the form of a report by the expert 214 with other disk characteristics.

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39/9/26 (Item 26 from file: 347)

DIALOG(R)File 347:JAPIO

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05860187 **Image available**

INFORMATION PROCESSOR

PUB. NO.: 10-143287 [JP 10143287 A]

PUBLISHED: May 29, 1998 (19980529)

INVENTOR(s): KAMON SEIICHI

SHINOHARA HIROSHI

UEYAMA SATORU
OZAKI KYOKO
ONISHI TOSHIAKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
FUJITSU SHUHENKI KK [000000] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 08-295178 [JP 96295178]
FILED: November 07, 1996 (19961107)
INTL CLASS: [6] G06F-001/26; G06F-001/32
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD: R002 (LASERS); R131 (INFORMATION PROCESSING -- Microcomputers
& Microprocessors)

ABSTRACT

PROBLEM TO BE SOLVED: To practically save the power of an information processor by accumulating the use result of device for the unit of a day of the week and setting the level of power saving mode to the processor based on the use result.

SOLUTION: A use time zone recording means 4 cumulatively records use / non-use for every month in the past, for example, as the use result from the outputs of a device use detecting means 2 and a date/time information generating means 3 for the unit of a day of the week of this device and further for the unit of a time zone. A use rate calculating means 5 calculates a use rate for each use time zone from the recorded use result in the past and selects the use rate corresponding to the current time from the date/time information generating means 3. When the waiting state (non-use) of an ordinary mode exceeds fixed set time, based on the use rate in the current time zone calculated by the use rate calculating means 5, a power saving mode level setting means 6 sets the power saving mode corresponding to the use rate out of plural levels from 1 to 3, for example.

39/9/28 (Item 28 from file: 347)
DIALOG(R) File 347: JAPIO
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05728233 **Image available**

MEASURING INSTRUMENT FOR CPU USE RATE BY TASK

PUB. NO.: 10-011333 [JP 10011333 A]
PUBLISHED: January 16, 1998 (19980116)
INVENTOR(s): YANAGIDA MAKOTO
APPLICANT(s): NIPPON DENKI IDO TSUSHIN KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-163166 [JP 96163166]
FILED: June 24, 1996 (19960624)
INTL CLASS: [6] G06F-011/34 ; G06F-001/08; G06F-009/46
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.9 (INFORMATION PROCESSING -- Other)

ABSTRACT

PROBLEM TO BE SOLVED: To measure execution times by tasks and accurately find the use rate of a CPU even when the operation clock of the CPU is changed.

SOLUTION: This instrument has the CPU 1 which executes tasks identified with IDs, an execution-time-by-task storage part 6 having a storage area wherein the execution times by the tasks can be stored by the IDs, a clock

generation part 4 which generates reference clock pulses for measurement when the execution times of the respective tasks are measured, and a totalizing means 5 which totalizes the execution times of the tasks within a certain time calculated from the reference clock pulses for measurement by the storage areas of the storage part 6

39/9/30 (Item 30 from file: 347)

DIALOG(R)File 347:JAPIO

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05279534 **Image available**
DATA BASE MONITORING SYSTEM

PUB. NO.: 08-235034 [JP 8235034 A]
PUBLISHED: September 13, 1996 (19960913)
INVENTOR(s): HANADA FUMIHIDE
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 07-059861 [JP 9559861]
FILED: February 23, 1995 (19950223)
INTL CLASS: [6] G06F-012/00; **G06F-011/34**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1
(INFORMATION PROCESSING -- Arithmetic Sequence Units)

ABSTRACT

PURPOSE: To attain the reference to a screen for the relevant information by collecting the using states of a data base (DB) and **measuring** the **activity ratio** and the estimated capacity shortage date of the DB.

CONSTITUTION: A monitor DB initializing means 1 produces a monitor management record and registers it to a monitor DB 7, and a monitor DB maintenance means 2 registers and updates a monitoring area definition record and a monitoring range definition record to the DB 7 to define a monitoring area and a monitoring range of a monitor object DB 9 respectively. A monitor data collection means 4 **calculates** the **activity ratio** and the estimated capacity shortage date of the DB 9 and registers them to a collected data file 8 as the collected data records. A monitor data register means 5 registers the collected data records of the file 8 to the DB 7 as the monitor collected data records. Then a monitor data reference means 6 refers to the contents of the monitor collected data records of the DB 7 in response to a picture.

39/9/32 (Item 32 from file: 347)

DIALOG(R)File 347:JAPIO

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04445338 **Image available**
MEASURING SYSTEM FOR PERIPHERAL EQUIPMENT **USE** **RATE**

PUB. NO.: 06-089238 [JP 6089238 A]
PUBLISHED: March 29, 1994 (19940329)
INVENTOR(s): MUROTANI YUJI
NIIHORI JUNKO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
NEC SOFTWARE LTD [491061] (A Japanese Company or Corporation)
, JP (Japan)
APPL. NO.: 04-099096 [JP 9299096]
FILED: April 20, 1992 (19920420)

INTL CLASS: [5] G06F-013/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1764, Vol. 18, No. 353, Pg. 12, July
04, 1994 (19940704)

ABSTRACT

PURPOSE: To **calculate** an accurate **use rate** and to reduce the number of **records** outputted by sampling in the **use rate measuring** system of a peripheral equipment.

CONSTITUTION: At the time of using an input/output means 2 for accessing to the peripheral equipment by a process 1, a peripheral equipment **use time** accumulation means 4 accumulates peripheral equipment **use time** from the start of input/output to the end for each individual peripheral equipment, and a peripheral equipment **use time** collection means 5 **collects** time and periodically outputs it to a secondary storage device 6. A peripheral equipment **use rate calculation** means 7 inputs outputted peripheral equipment **use accumulation time**. **Use time** by the **individual** peripheral equipments within a collection interval is obtained from a difference between two peripheral equipment **use accumulation times** and it is divided by collection interval time. Thus, the peripheral equipment **use rate** is **calculated** and a peripheral equipment use situation report 8 is outputted. At the **time of accessing** to the peripheral equipments, peripheral equipment **use time** from the start of input/output to the end is accumulated by the individual peripheral equipments. Thus, the accurate **use rate** can be **calculated** and the number of the records outputted by sampling can be reduced.

39/9/39 (Item 39 from file: 347)

DIALOG(R)File 347:JAPIO

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03065237 **Image available**
ACTIVITY RADIO DISPLAY CIRCUIT

PUB. NO.: 02-040737 [JP 2040737 A]
PUBLISHED: February 09, 1990 (19900209)
INVENTOR(s): NAGASAWA TADASHI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 63-191517 [JP 88191517]
FILED: July 29, 1988 (19880729)
INTL CLASS: [5] **G06F-011/34** ; G06F-011/30
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)
JOURNAL: Section: P, Section No. 1040, Vol. 14, No. 199, Pg. 158,
April 23, 1990 (19900423)

ABSTRACT

PURPOSE: To decrease the number of transmission lines between a transmission and a reception part by sending and receiving a parallel signal consisting of binary signals corresponding to the use states of plural equipments through a parallel-in serial-out register, performing serial-parallel conversion, and counting the signal.

CONSTITUTION: The binary signals corresponding to the user states of respective input/output devices 31-34 are made into the synchronized parallel signal by the CPUs 21 and 22 of an information processor 1 and a

control circuit 7 which outputs a load signal and the parallel signal is inputted to the shift register 6 of a broadcasting part 5. The contents are shifted with the shift signal from a circuit to output a serial signal, which is sent to the reception part 11 through a transmission line 20. Then the serial-parallel conversion circuit 13 of the reception part 11 restores the signal to the original parallel signal and a microprocessor 14 counts the number of times of use of the respective devices 31-34 in **each** specific time and the **activity ratio** of the respective devices are displayed on a CRT 18. This constitution decreases the number of transmission lines 20 to two which is the smallest number.

39/9/41 (Item 41 from file: 347)

DIALOG(R)File 347:JAPIO

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02529246 **Image available**

OPERATION EVALUATING DEVICE FOR COMPUTER SYSTEM

PUB. NO.: 63-146146 [JP 63146146 A]

PUBLISHED: June 18, 1988 (19880618)

INVENTOR(s): MORITA SETSUO

APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 61-293828 [JP 86293828]

FILED: December 09, 1986 (19861209)

INTL CLASS: [4] G06F-013/00; G06F-003/06; **G06F-011/34**

JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5 (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units); 45.3 (INFORMATION PROCESSING -- Input Output Units)

JOURNAL: Section: P, Section No. 778, Vol. 12, No. 408, Pg. 111, October 28, 1988 (19881028)

ABSTRACT

PURPOSE: To easily grasp the operating condition of a magnetic disk controller by **calculating** the use time and the **use rate** of the magnetic disk controller on the basis of the number of times of input/output of a magnetic disk device obtained by a software monitor.

CONSTITUTION: A data calculating and editing device 4 **calculates** the **use time** and the **use rate** of **each** magnetic disk controller on the basis of a number 9 of times of input/output of each magnetic disk device inputted from an operating data gathering device 1, constitution data 5 of the magnetic disk controller and the magnetic disk device inputted from a constitution indicating device 2, and performance data 7 of the magnetic disk inputted from a performance data storage device 3 and edits and outputs the result. Thus, operating information such as the use time and the **use rate** of the magnetic disk controller is easily grasped.

39/9/45 (Item 45 from file: 347)

DIALOG(R)File 347:JAPIO

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02157228 **Image available**

DATA BASE DEVICE

PUB. NO.: 62-074128 [JP 62074128 A]

PUBLISHED: April 04, 1987 (19870404)

INVENTOR(s): OSAKI EIJI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 60-213725 [JP 85213725]
FILED: September 27, 1985 (19850927)
INTL CLASS: [4] G06F-007/28
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 612, Vol. 11, No. 274, Pg. 141,
September 05, 1987 (19870905)

ABSTRACT

PURPOSE: To adapt the titled device flexibly to a use tendency of a user by holding an **access** frequency of **each data** and its sequence from the user, organizing an **access rank order** from its data, and **generating** a data link of the shortest distance, when the number of **times** of an **access** by a prescribed sequence has exceeded a prescribed value.

CONSTITUTION: A data which has been brought to an access from a keyboard 60, and an **access** order are **recorded** in an **access history** memory 62 in order of time, an organization of the access order is executed by an access order organizing processor 63, based on a holding data of the memory 62, and a link data is counted up by checking the number of times of an operation of each access order. Subsequently, when the number of times of an operation of its link data becomes larger than an initial set value, a new data link is generated by a link data processor 64, and when each data has been brought to an access, a change of each menu picture for showing to a user to which data its data is coupled in the next time is executed by a menu picture generating processor 65.

39/9/46 (Item 46 from file: 347)

DIALOG(R) File 347:JAPIO

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01990650 **Image available**

INPUT/OUTPUT DEVICE

PUB. NO.: 61-204750 [JP 61204750 A]
PUBLISHED: September 10, 1986 (19860910)
INVENTOR(s): KOBAYASHI TAKAHARU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 60-044333 [JP 8544333]
FILED: March 06, 1985 (19850306)
INTL CLASS: [4] G06F-011/34
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 542, Vol. 11, No. 35, Pg. 75,
February 03, 1987 (19870203)

ABSTRACT

PURPOSE: To use the use time of a physical input/output channel, as the object of accounting, and also to **calculate** the **use rate** at every input/output device by measuring and reporting the use time of the physical input/output channel which is used for a data transfer.

CONSTITUTION: When an input/output processing is ended, the control part 61 of an input/output device 6a sends an input/output processing end request, an end status, and a physical input/output channel use time which is stored in a timer (counter) part 62, to an input/output control device 4 through a peripheral control device 5. The input/output control device 4 writes this end status and this physical input/output channel use time in the specified

address of a main storage device 1 through a system control device 3, and sends an input/output end interruption to an operation processor 2 through the system control device 3. When this input/output interruption is received by the operation processor 2, the input/output processing is ended. In this way, the input/output control device 4 uses a value which is written in the specified address of the main storage device 1, by which the use time of the physical input/output channel can be measured

39/9/49 (Item 49 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

01655856 **Image available**

USE RATE DISPLAYING SYSTEM OF DATA PROCESSING DEVICE

PUB. NO.: 60-134356 [JP 60134356 A]

PUBLISHED: July 17, 1985 (19850717)

INVENTOR(s): TAKAYAMA AKIRA

KANAO SEIICHI

TAKEUCHI AKIHIRO

IGAWA IKUTOSHI

INOUE SABURO

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese Company or Corporation), JP (Japan)

OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)

NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)

FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 58-239781 [JP 83239781]

FILED: December 21, 1983 (19831221)

INTL CLASS: [4] G06F-011/34 ; G06F-009/06

JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

JOURNAL: Section: P, Section No. 408, Vol. 09, No. 299, Pg. 54, November 27, 1985 (19851127)

ABSTRACT

PURPOSE: To **measure** an actual **use rate** without correcting a program and without a person's help by obtaining a use start time point, the number of instruction steps, and a use stop time point by a control instruction of the program.

CONSTITUTION: In case of performing the counting/time counting, a jump time counting counter 8/ a time counting counter 9 are reset to a time counting and counting software in (1) by a start signal of a control signal, and a count start instruction is outputted. Subsequently, in (2), said execution is shifted to a general program 5, and after it has been ended, a count end instruction of the jump time counting counter 8/ the time counting counter 9 is outputted to the time counting and counting software in (3). At the same time, each counter value is inputted by an operating circuit 10 by a CC built-in microprogram, etc., a division is executed, and its result is displayed on a displaying circuit 11

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File 348:EUROPEAN PATENTS 1978-2005/Jun W02
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050609,UT=20050602
(c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200522
(c) 2005 Univention

? ds

Set	Items	Description
S1	101933	LOG OR LOGS OR LOGGED OR LOGGING OR LOGFILE?
S2	388943	RECORD OR RECORDS OR RECORDED OR RECORDING
S3	937278	HISTORY? OR HISTORIC?? ? OR HISTORIES OR LEDGER? OR CHRONO- LOG? OR CATALOG? OR TABLE? ? OR CAPTUR?
S4	498828	COLLECT?? ? OR COLLECTING
S5	3178472	USE OR USED OR USAGE? OR ACTIVITY? OR ACCESS OR ACCESSES OR ACCESSED OR ACCESSING OR UTILIS? OR UTILIZ?
S6	2476693	TIME OR TIMES OR MINUTE? ? OR HOUR? ?
S7	412979	S5(3N)(S6 OR DATA)
S8	1176090	TOTAL? ? OR CUMULATIVE? OR ACCUMULATIVE? OR OVERALL OR AGG- REGAT?
S9	266387	IDLE? ? OR INACTIV? OR NONACTIV? OR UNACTIV? OR (NON OR UN-)()ACTIVE OR LATENT OR QUIESCEN? OR DORMAN?
S10	2321878	SUMMATION? OR SUMMED OR SUM OR SUMMING OR CALCULAT? OR MEA- SUR??? ? OR MEASUREMENT? OR DETERMIN? OR DET? ? OR COMPUTAT?
S11	212709	COMPUTE OR COMPUTES OR COMPUTED OR COMPUTING
S12	1006178	ASSESS? OR ANALYS? OR ANALYT? OR ANALYZ? OR QUANTIF? OR DE- RIV??? ? OR DERIVATION?
S13	1118111	GENERAT??? ? OR QUANTITAT? OR COMPIL? OR TABULAT?
S14	30777	S7(5N)(INDIVIDUAL OR INDIVIDUALLY OR EACH OR SINGLY OR API- ECE OR ITEMIS? OR ITEMIZ?)
S15	5633	S7(5N)S8
S16	18706	S9(3N)(S6 OR DATA)
S17	117925	S5(3N)(RATE OR RATES OR RATIO OR RATIOS OR SCORE? ? OR SCO- RING? OR RATING? OR RANK?)
S18	16763	S17(5N)S10:S13
S19	32023	S1:S4(5N)(S7 OR S16)
S20	400	S19(20N)S15
S21	12	S20(20N)S17
S22	4	S20(20N)S18
S23	2089	S19(20N)S14
S24	11	S23(20N)S18
S25	40	S23(20N)S17
S26	49	S21:S22 OR S24:S25
S27	49	IDPAT (sorted in duplicate/non-duplicate order)
S28	49	IDPAT (primary/non-duplicate records only)
S29	282393	S1:S4(5N)S5
S30	30480	S29(20N)(S7 OR S16)
S31	432	S30(20N)S15
S32	12	S31(20N)S17
S33	4	S31(20N)S18
S34	0	S32:S33 NOT S28
S35	2094	S30(20N)S14
S36	56	S35(20N)S17:S18
S37	18	S36 NOT S28
S38	18	IDPAT (sorted in duplicate/non-duplicate order)
S39	18	IDPAT (primary/non-duplicate records only)
S40	769	IC='G06F-011/34'
S41	401	(S14 OR S16)(20N)S15
S42	1	S40 AND S41
S43	33	S40 AND S15

S44	75	S40 AND S17
S45	26	S40 AND S18
S46	512	S17(20N) (S14 OR S16)
S47	3	S40 AND S46
S48	60	S42:S43 OR S45 OR S47
S49	60	S48 NOT (S28 OR S39)
S50	60	IDPAT (sorted in duplicate/non-duplicate order)
S51	59	IDPAT (primary/non-duplicate records only)

28/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01780986

Cellular phone, method and computer program product for network selection
using history data

Mobilfunkendgerat, Verfahren und Computerprogrammprodukt zur
Netzwerkauswahl basierend auf historischen Daten

Terminal mobile, procede et logiciel pour selection de reseaux selon des
donnees historiques

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
(Applicant designated States: all)

INVENTOR:

Iizuka, Masato, NEC Corporation 7-1, Shiba 5-chome Minato-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1453333 A1 040901 (Basic)
EP 1453333 A1 040901

APPLICATION (CC, No, Date): EP 2004002448 040204;

PRIORITY (CC, No, Date): JP 200348412 030226

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: H04Q-007/32

CITED PATENTS (EP A): US 6205334 B1; US 6393006 B1; GB 2333423 A ; WO
162034 A ; WO 2080586 A

ABSTRACT EP 1453333 A1

A cellular phone (10) includes a plurality of wireless communication means (13, 14), a storage means (23), and a control means (20) for controlling the plurality of wireless communication means (13, 14) and the storage means (23). The plurality of wireless communication means (13, 14) are used for operating in a plurality of communication modes, respectively. The storage means (23) stores a history data (30) which indicates history of used communication modes. The control means (20) selects one communication mode from the plurality of communication modes based on the history data (30).

ABSTRACT WORD COUNT: 93

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 040901 A1 Published application with search report
Examination: 040908 A1 Date of request for examination: 20040708
Application: 040901 A1 Published application with search report
Examination: 040908 A1 Date of request for examination: 20040708
Examination: 050316 A1 Date of dispatch of the first examination
report: 20050126

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200436	460
SPEC A	(English)	200436	3196
Total word count - document A			3656
Total word count - document B			0
Total word count - documents A + B			3656

...SPECIFICATION with the first communication mode.

In the cellular phone according to the present invention, the **history**

data can indicate the used communication modes in order of use .
Also, the history data can relate each of the used communication
modes with the number of use . Moreover, the history data can relate
each of the used communication modes with the rate of use .

As described above, the history data is stored in the memory unit
(storage means), which...

28/5,K/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00350420

Super-large capacity data storage drive.

Datenspeichereinheit mit sehr grosser Kapazität.

Unite de stockage de donnees a tres grande capacite.

PATENT ASSIGNEE:

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Fujisawa, Hiromichi, 3-15-k-510, Kotesashicho, Tokorozawa-shi Saitama,
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Torii, Shunichi, 3-7-8-125, Nakamachi, Musashino-shi Tokyo, (JP)

LEGAL REPRESENTATIVE:

Strehl, Schubel-Hopf, Groening (100941), Maximilianstrasse 54 Postfach 22
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PATENT (CC, No, Kind, Date): EP 360123 A2 900328 (Basic)

EP 360123 A3 900829

APPLICATION (CC, No, Date): EP 89116786 890911;

PRIORITY (CC, No, Date): JP 88232365 880919

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-003/06; G11B-027/00; G11B-027/10;
G11B-005/012;

CITED PATENTS (EP A): WO 8504510 A; DE 3318279 A; US 4270154 A

CITED REFERENCES (EP A):

IBM Technical Disclosure Bulletin vol. 21, no. 9, February 1979, pages
3801 - 3802; J.M. Gibbard et al.: "Stored Document Access Time"

Proceedings of the 8th IFIP Conference on Optimization Techniques

September 1977, W}rzburg, Germany pages 473 - 483; H. Kondo et al.:

"Effective File Allocation Method onto Disc Devices"

PATENT ABSTRACTS OF JAPAN vol. 12, no. 350 (P-760) (3197) 20 September
1988, & JP63 104201 (MITSUBISHI ELECTRIC

CORP) 09 May 1988,;

ABSTRACT EP 360123 A2

A fast access high capacity data storage system includes a disk-based
storage system employing a plurality of storage surfaces (2). Selected
storage surfaces of the plurality thereof include a plurality of data
access heads (4) in data communication therewith. Means (6) is provided
for allowing concurrent data transfers through this plurality of data
access heads (4). Performance is further improved by monitoring
frequently accessed data records and transferring them to recording
surfaces less frequently in use. Means (48, 49) is also taught for moving
the data access heads (4) of the plurality to other recording surfaces
(2) to decrease access bottle-necks thereon.

ABSTRACT WORD COUNT: 106

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 900328 A2 Published application (A1with Search Report
;A2without Search Report)
Change: 900816 A2 International patent classification (change)
Change: 900816 A2 Obligatory supplementary classification
(change)
Search Report: 900829 A3 Separate publication of the European or
International search report
Examination: 910206 A2 Date of filing of request for examination:
901212
Examination: 930721 A2 Date of despatch of first examination report:
930604
Withdrawal: 960731 A2 Date on which the European patent application
was deemed to be withdrawn: 960202

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1542
SPEC A	(English)	EPABF1	7853
Total word count - document A			9395
Total word count - document B			0
Total word count - documents A + B			9395

...CLAIMS first plurality, in close proximity to the copy recording surface; and
means for independently positioning **each** of the second plurality of **data access** heads relative to the copy **recording** surface.
7. The fast **access** high capacity **data** storage system of claim 6 further comprising:
means for **calculating** a **rate** of **access** to data records stored on selected recording surfaces;
means for storing data representative of a...computed average.
13. The method of claim 11 further comprising the steps of:
independently positioning **each** of second plurality of **data access** heads relative to a copy **recording** surface;
calculating a **rate** of **access** to **data records** stored on selected **recording** surfaces;
storing data representative of a preselected acceptable rate of **accesses** to records stored on selected recording surfaces;
comparing a **calculated rate** of **access** of a selected record to the data representative of a preselected acceptable rate of access...

28/5,K/27 (Item 27 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00967859 **Image available**

METHOD AND APPARATUS FOR CONGESTION CONTROL IN A WIRELESS COMMUNICATION SYSTEM

PROCEDE ET DISPOSITIF CONTRE L'ENGORGEMENT D'UN SYSTEME DE RADIOCOMMUNICATIONS

Patent Applicant/Assignee:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2002101956 A1 20021219 (WO 02101956)

Application: WO 2002US17815 20020605 (PCT/WO US0217815)

Priority Application: US 2001877917 20010607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04B-007/26

International Patent Class: H04L-012/56

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6901

English Abstract

Method and apparatus for congestion control in a wireless communication system. In one embodiment, the status of a congestion bit indicates the type of adjustment, such as increase or decrease, to be performed at an access terminal to determine the next data rate for transmissions on the reverse link. The status of the congestion bit is determined by comparing a congestion parameter to a predetermined threshold (186). One embodiment implements an outerloop threshold having a margin with respect to the desired congestion metric threshold. The outerloopthreshold is adjusted in response to comparing a measured congestion metric to the desired threshold (192, 194, 196). The outerloop threshold adjustment maintains the congestion metric to within a predetermined probability of exceeding the desired threshold.

French Abstract

La presente invention concerne un procede et un dispositif de lutte contre l'engorgement d'un systeme de radiocommunications. Selon un mode de realisation, l'etat d'un bit d'engorgement indique le type de correction (augmentation ou diminution) a effectuer sur un terminal d'accès pour determiner le debit de donnees suivant pour les transmissions sur la liaisons inverse. Pour determiner l'etat du bit d'engorgement, on compare a un seuil defini (186) un parametre d'engorgement. Pour l'un des modes de realisations, on dispose d'un seuil de boucle exterieur affecte d'une marge par rapport au seuil desire des mesures d'engorgement. La correction du seuil de boucle exterieure se fait d'apres une comparaison entre la mesure d'engorgement et le seuil desire (192, 194, 196). Cette correction de seuil de boucle exterieure conserve la mesure d'engorgement dans les limites d'une probabilite definis de franchissement du seuil desire.

Legal Status (Type, Date, Text)

Publication 20021219 A1 With international search report.

Examination 20030918 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... indicators.

[1052] One embodiment applies the outerloop threshold adjustment method with the specific targeting of **individual** access terminals for **determination of data rate**. The **access** terminal may provide

historical information to the access network, wherein the information is used for determining the outerloop threshold...
? t28/5,k/28,31-32,34-35,38

28/5,K/28 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2005 WIPO/Univentio. All rts. reserv.

00965917 **Image available**
METHOD AND APPARATUS FOR REDUCTION OF CONGESTION THROUGH DATA RATE
ADJUSTMENT IN A WIRELESS COMMUNICATION SYSTEM
PROCEDE ET APPAREIL POUR REDUIRE L'ENCOMBREMENT PAR REGLAGE DU DEBIT DANS
UN SYSTEME DE COMMUNICATION SANS FIL

Patent Applicant/Assignee:
QUALCOMM INCORPORATED, 5775 Morehouse Drive, San Diego, CA 92121-1714, US
, US (Residence), US (Nationality)

Inventor(s):
JAIN Avinash, 10750 Aderman Avenue #74, San Diego, CA 92126, US,
HOLTZMAN Jack M, 12970 Caminito Bautizo, San Diego, CA 92130, US,

Legal Representative:
OGROD Gregory D (et al) (agent), Qualcomm Incorporated, 5775 Morehouse
Drive, San Diego, CA 92121-1714, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 2002100053 A1 20021212 (WO 02100053)
Application: WO 2002US18135 20020606 (PCT/WO US0218135)
Priority Application: US 2001877820 20010607

Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-012/56

International Patent Class: H04B-007/26

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7198

English Abstract

Method and apparatus for congestion control in a wireless communication system. Individual target data rate values are assigned individual access terminals. The individual data rates of the access terminals are adjusted

to achieve the corresponding individual target data rate values (208, 218). If the target values are not achieved within a predetermined number of iterations, the individual data rate is adjusted. In one embodiment, the status of a congestion bit indicates the type of adjustment, such as increase or decrease (204), wherein the status of the congestion bit is determined by comparing a congestion parameter to a predetermined threshold. One embodiment implements an outerloop threshold having a margin with respect to the desired congestion metric threshold. According to one embodiment, a congestion indicator includes multiple bits, wherein at least one bit instructs the mobile station to use target values or else to adjust without regard to a target value (210, 216).

French Abstract

L'invention concerne un procede et un appareil pour reguler l'encombrement dans un systeme de communication sans fil. Des valeurs cibles individuelles de debit sont attribuees a des terminaux d'accès individuels. Les debits individuels des terminaux d'accès sont regles pour obtenir les valeurs cibles individuelles de debit correspondantes (208, 218). Si les valeurs cibles ne sont pas obtenues en un nombre determine d'iterations, le debit individuel est regle. Dans un mode de realisation, le statut d'un bit d'encombrement indique le type de reglage, a savoir une augmentation ou une diminution (204), ce statut etant determine par comparaison d'un parametre d'encombrement avec un seuil determine. Un mode de realisation fait intervenir un seuil de boucle exterieure presentant une marge par rapport au seuil metrique d'encombrement souhaite. Selon un mode de realisation, un indicateur d'encombrement comporte plusieurs bits, au moins un bit donnant pour consigne a la station mobile d'utiliser des valeurs cibles ou d'effectuer un reglage sans prendre en compte de valeur cible (210, 216).

Legal Status (Type, Date, Text)

Publication 20021212 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... indicators.

[1054] One embodiment applies the outerloop threshold adjustment method with the specific targeting of **individual** access terminals for **determination of data rate**. The **access** terminal may provide **historical** information to the access network, wherein the information is used for determining the outerloop threshold...

28/5,K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00925675 **Image available**

NETWORK SERVICE PROVIDER PLATFORM FOR SUPPORTING USAGE SENSITIVE BILLING AND OPERATION SERVICES

PLATE-FORME POUR PRESTATAIRES DE SERVICES SUR RESEAU ASSURANT DES SERVICES DE FACTURATION ET D'EXPLOITATION EN FONCTION DE L'UTILISATION

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

CROWSON Celine Jimenez (et al) (agent), Hogan & Hartson, LLP, 555 13th Street, NW, Washington, DC 20004-1109, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200259754 A1 20020801 (WO 0259754)

Application: WO 2002US109 20020102 (PCT/WO US0200109)

Priority Application: US 2001258883 20010102

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-013/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8281

English Abstract

The present invention provides a platform (300) for supporting usage based and usage sensitive billing and operation services and systems for network service providers. The platform (300) provides an environment that supports the collection of statistics and call records from various network (voice, data, etc.) elements (304), validation of the data (301d), conversion of the data into a normalized format (301e), and the configuration of a core provisioning process for rating the data and generating the appropriate billing charges.

French Abstract

L'invention concerne une plate-forme (300) assurant la mise en oeuvre de services et de systemes de facturation et d'exploitation, en fonction de l'utilisation, pour les prestataires de services sur reseau. Cette plate-forme (300) offre un environnement qui permet de recueillir des statistiques et des rapports d'appel de la part de differents elements de reseau (parole, donnees, etc.) (304), de valider les informations (301d), de convertir ces informations a un format normalise (301e), et de mettre en place un regime de dimensionnement centralise pour evaluer les informations et determiner la tarification appropriee.

Legal Status (Type, Date, Text)

Publication 20020801 A1 With international search report.

Examination 20021003 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... from related events with one another.

7 The method according to claim 1, wherein said
aggregating of said normalized **usage** event **data** **records**
includes augmenting **usage** **data** in said normalized **usage**

event data records with external data.

8 The method according to claim 1, wherein said aggregating of said normalized usage event data records includes applying a predefined rating criteria to said usage detail records prior to said exchanging of said usage detail records.

9 The method according...

28/5,K/32 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00911226 **Image available**

INTERACTIVE TELEVISION APPLICATION WITH RESEARCH FEATURES
APPLICATION TELEVISUELLE INTERACTIVE AVEC OPTIONS DE RECHERCHE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

PIERRI Margaret A (et al) (agent), c/o Fish & Neave, 1251 Avenue of the
Americas, New York, NY 10020, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200245433 A2-A3 20020606 (WO 0245433)

Application: WO 2001US44865 20011128 (PCT/WO US0144865)

Priority Application: US 2000253594 20001128

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04N-007/173

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11097

English Abstract

Systems and Methods for an interactive television application are implemented to have data collection features. Data may be collected on acts that occur to interface a user and the interactive television application that has been implemented on user equipment. The acts may be discrete acts such as user key entries on a remote control, displays that are generated by the interactive television application, channels changes, etc. Duration information may be recorded. A data record may be generated for each discrete act. Data records may be in a format that is compatible with conventional database applications.

French Abstract

L'invention concerne des systemes et des procedes permettant d'obtenir une application televisuelle interactive, mis en oeuvre pour fournir des options de collecte de donnees. Les donnees peuvent etre collectees sur la base de faits se produisant, pour fournir une interface entre un utilisateur et l'application televisuelle interactive mise en oeuvre sur l'equipement d'utilisateur. Ces faits peuvent etre des faits discrets, tels que des boutons de telecommande enfoncees, des ecrans generes par l'application televisuelle interactive, des changements de chaines, etc. Les informations de duree peuvent etre enregistrees. Une fiche de donnees peut etre generee pour chaque acte discret. Ces fiches de donnees peuvent etre dans un format compatible avec les applications de base de donnees classiques.

Legal Status (Type, Date, Text)

Publication 20020606 A2 Without international search report and to be republished upon receipt of that report.
Examination 20020801 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20021227 Late publication of international search report
Republication 20021227 A3 With international search report.
Republication 20021227 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... each activity that is representative of that activity. At step 710, cumulative data may be **recorded** on the discrete **activity**. The **cumulative data** may be for a particular period of time and may be representative of the **rate** of repetition or **usage** of discrete events over a particular period of time.

FIG. 8 is a flow chart...

28/5,K/42 (Item 42 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00760523 **Image available**

SYSTEM AND METHOD FOR MANAGING A DATABASE
SYSTEME ET PROCEDE DE GESTION D'UNE BASE DE DONNEES

Patent Applicant/Assignee:

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Legal Representative:

SACHS Robert R, Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA
94306, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073943 A1 20001207 (WO 0073943)
Application: WO 2000US14781 20000526 (PCT/WO US0014781)
Priority Application: US 99323512 19990601

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH
GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11727

English Abstract

A system and a method for managing a database. The system includes a database manager for storing and retrieving data records (data records) from a database. In one embodiment, the database includes a database data structure that is divided into a plurality of sections. Each of the sections holds is configured to hold zero or more data records (320). During a store operation of a data record (320), a key (316) that is associated with the data record (320) is used to identify one of the sections. If the section has insufficient space, the system deletes data records (320) according to a ranking function. In one embodiment of the invention, the ranking function is a least recently used algorithm. The system of the present invention does not have any inter-dependency between the data records (320) that are stored within the database. Furthermore, in one embodiment of the invention, the system creates the database using sections that are the same size that is used by a caching system to store and retrieve pages from mass storage.

French Abstract

L'invention porte sur un systeme et un procede de gestion d'une base de donnees. Le systeme comprend un gestionnaire de base de donnees permettant de stocker et extraire des enregistrements d'une base de donnees. Selon une realisation, la base de donnees comprend une structure

de donnees divisee en une pluralite de sections. Chacune de ces sections est configuree de facon a contenir zero ou plusieurs enregistrements (320). Au cours d'une operation de stockage de donnees (320), un code (316) associe a l'enregistrement (320) est utilise pour identifier une des sections. Si la section n'a pas d'espace suffisant, le systeme supprime les enregistrements (320) conformement a une fonction de classement. Selon une realisation de cette invention, la fonction de classement est au moins utilisee comme algorithme. Le systeme de cette invention n'a pas d'interdependance avec les enregistrements (320) qui sont stockes dans la base de donnees. D'autre part, selon une realisation de cette invention, le systeme cree la base de donnees a l'aide des sections de taille identique et utilisees par le systeme d'antememoire pour stocker et extraire des pages de la memoire de grande capacite.

Legal Status (Type, Date, Text)

Publication 20001207 A1 With international search report.

Examination 20010308 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... records according to a ranking function.

21 The database system of Claim 20, wherein the **ranking** function **determines** an **access time** for **each** of the data **records** or the selected sections.

22 The database system of Claim 20, wherein each of the...

39/5,K/16 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND
METHOD THEREOF

GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT
DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

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Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 171499

English Abstract

French Abstract

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be
republished upon receipt of that report.

Examination 20010913 Request for preliminary examination prior to end of
19th month from priority date

Declaration 20021024 Late publication under Article 17.2a

Republication 20021024 A2 With declaration under Article 17(2)(a); without
abstract; title not checked by the International
Searching Authority..

Fulltext Availability:

Detailed Description

Detailed Description

... a call passes through one of the switches, 1206-1210, that switch creates a call **record** .

The call **record** contains information on the call, including but not limited to: routing, billing, call features, and...

...a preferred embodiment of the present invention. Network Data Management 1300 encompasses the collection of **usage data** and events for the purpose of network performance and traffic analysis. This data may also be an input to Billing (**Rating** and Discounting) processes at the Service Management Layer, depending on the service and its architecture

...
?

39/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01724143

CDMA data communication system, terminal device and method with reduced power consumption

CDMA-Datenkommunikationssystem, Endgerät und Verfahren mit reduzierten Leistungsverbrauch

Systeme de communication de donnees, terminal et procede avec consommation de puissance reduite

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
(Applicant designated States: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

Patentanwalte Wenzel & Kalkoff (100766), Grubessallee 26, 22143 Hamburg, (DE)

PATENT (CC, No, Kind, Date): EP 1414169 A2 040428 (Basic)

APPLICATION (CC, No, Date): EP 2003090357 031021;

PRIORITY (CC, No, Date): JP 2002305899 021021

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: H04B-007/26

ABSTRACT EP 1414169 A2

In a communication system including a data terminal having a communication function adopting a code division multiplex access (CDMA) system, a coding and a decoding means in the data terminal store parameters necessary for a coding and a decoding process in the means, respectively, are stored in the process parameter buffer according to the utilization frequency data of a designated transport format, and for the utilization frequency parameters the pertinent stored parameter data are read out and utilized without performing re-calculation, thus reducing power consumption necessary for calculation.

ABSTRACT WORD COUNT: 89

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 040428 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200418	2233
SPEC A	(English)	200418	8858
Total word count - document A			11091
Total word count - document B			0
Total word count - documents A + B			11091

...SPECIFICATION according to a buffer control signal from the parameter calculation check unit, while updating the utilization frequency data

The process parameter buffer stores preference rank record flag, use history of a plurality of a plurality of times of past use of transport format combination indicator (TFCI) and at least one item of

the number of **times** of **use** of **each** TFCI together with the pertinent process parameter.

The process parameter buffer stores preference rank **record** flag, **use history** of a plurality of a plurality of **times** of past **use** of transport format combination indicator (TFCI) and at least one item of the number of **times** of **use** of **each** TFCI together with the pertinent process parameter.

When deciding that the pertinent process parameter has...

- ...CLAIMS according to a buffer control signal from the parameter calculation check unit, while updating the **utilization** frequency **data** .
- 4. The data communication terminal device according to claims 2 or 3, wherein the process parameter buffer stores preference **rank record** flag, **use history** of a plurality of a plurality of **times** of past **use** of transport format combination indicator (TFCI) and one or more items of the number of **times** of **use** of **each** TFCI together with the pertinent process parameter.
- 5. The data communication terminal device according to...

? t51/5,k/3,11,16,20,24,54-55

51/5,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01737148

System and methodology providing audit recording and tracking in real time
industrial controller environment

System und Verfahren zur Kontrollaufzeichnung und Verfolgung einer
Betriebsreglerumgebung in Realzeit

Système et méthodologie permettant d'élaborer une fiche de contrôle et un
suivi en temps réel d'un environnement industriel contrôleur

PATENT ASSIGNEE:

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INVENTOR:

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, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1422585 A2 040526 (Basic)
EP 1422585 A3 041013

APPLICATION (CC, No, Date): EP 2003019418 030828;

PRIORITY (CC, No, Date): US 299496 021119

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: G05B-019/4063; G06F-011/34 ; G06F-001/00;
G06F-011/32; H04L-009/00

ABSTRACT EP 1422585 A2

The present invention relates to a system and methodology facilitating automated audit recording and tracking of PLC-based interactions. A recording component is provided that interacts with an application that can change or alter one or more characteristics of PLC operations. The recording component can be client-based on the same or associated platform as the application or can be embedded within a control system component. When interactions have been recorded, a tracking component aggregates such interactions in a file or record stored in a local or remote database, wherein audit reports that document control interactions or changes can automatically be generated from such files. Recorded interactions can be stored in a substantially real time manner and include records of all interactions with a control system as opposed to merely saving a final program or resultant image of such interactions, thus facilitating a more controlled and secure auditing environment.

ABSTRACT WORD COUNT: 148

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 040526 A2 Published application without search report
Change: 041006 A2 International Patent Classification changed:
20040817
Change: 041006 A2 Title of invention (French) changed: 20040817
Change: 041006 A2 International Patent Classification changed:
20040817
Change: 041006 A2 Title of invention (French) changed: 20040817
Search Report: 041013 A3 Separate publication of the search report

Assignee: 041110 A2 Transfer of rights to new applicant: Rockwell
Software Inc. (4156681) 1201 South 2nd Street
Milwaukee, Wisconsin 53204-2496 US
Change: 050406 A2 Legal representative(s) changed 20050217
Examination: 050601 A2 Date of request for examination: 20050331
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200422	1423
SPEC A	(English)	200422	7270
Total word count - document A			8693
Total word count - document B			0
Total word count - documents A + B			8693

...INTERNATIONAL PATENT CLASS: G06F-011/34

...SPECIFICATION underscore)B(underscore)activity(underscore)data is then updated to include Thursday's activities. Thus, **activity** and audit **data** is accumulated or **aggregated** over time for a respective industrial control component in the tracking database. At 926, audit...

...CLAIMS the activity data in at least one of a local and a remote location; and
aggregating the logged **activity data** in the at least one file.
25. The method of claim 24, further comprising employing...

...an industrial control component;
a second data field representing a tag name to store and **aggregate** the real time access data ; and
a third data field to categorize the real time access data.
30. The medium...

51/5,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01257169

Load balancing on disk array storage device

Speicherplattenanordnung-Lastausgleichung

Equilibrage de charge pour dispositif de reseau de disques

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 1085406 A2 010321 (Basic)
EP 1085406 A3 040128

APPLICATION (CC, No, Date): EP 2000307958 000914;
PRIORITY (CC, No, Date): US 396253 990915
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-003/06; G06F-011/34

ABSTRACT EP 1085406 A2

Load balancing of activities on physical disk storage devices (31A-31E) is accomplished by monitoring reading and writing operations to blocks of contiguous storage locations on the physical disk storage devices. A list of exchangeable pairs of blocks is developed based on size and function. Statistics accumulated over an interval are then used to obtain access activity values for each block and each physical disk drive. A statistical analysis leads to a selection of one block pair. After testing to determine any adverse effect of making that change, the exchange is made to more evenly distribute the loading on individual physical disk storage devices.

ABSTRACT WORD COUNT: 104

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010321 A2 Published application without search report
Change: 010425 A2 Inventor information changed: 20010309
Change: 040121 A2 International Patent Classification changed: 20031129

Search Report: 040128 A3 Separate publication of the search report
Examination: 040908 A2 Date of request for examination: 20040709
Examination: 040908 A2 Date of request for examination: 20040709

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200112	1735
SPEC A	(English)	200112	12049
Total word count - document A			13784
Total word count - document B			0
Total word count - documents A + B			13784

...INTERNATIONAL PATENT CLASS: G06F-011/34

...SPECIFICATION seek time, however obtained, the disk transfer times and to obtain a logical volume subinterval **utilization time** that represents the **total** time that a physical disk operates in performing transfers including any or all of the...

...step 127, thereby to sum the interval utilization times over the entire interval to obtain **total** physical disk drive **time**-based **utilization** statistics for that particular physical disk drive. Step 130 then determines whether additional physical drives...

51/5,K/16 (Item 16 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01083037

Method and device for acquiring usage data of an application

Verfahren und Vorrichtung zum Erwerben von Gebrauchsdaten einer Anwendung

Methode et dispositif pour la saisie de donnees d'utilisation d'une application

PATENT ASSIGNEE:

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Nishi-Shinjuku 3-chome, Shinjuku-ku, Tokyo 163-8019, (JP), (Applicant
designated States: all)

INVENTOR:

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Kishi, Kouji, c/o Nippon telegraph & tel. Corp., 20-2 Nishi-Shinjuku
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Sumi, Takuya, c/o Nippon telegraph & tel. Corp., 20-2 Nishi-Shinjuku
3-chome, Shinjuku-ku, Tokyo 163-1419, (JP)

LEGAL REPRESENTATIVE:

Rees, Alexander Ellison et al (73904), Urquhart-Dykes & Lord, 30 Welbeck
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PATENT (CC, No, Kind, Date): EP 952522 A2 991027 (Basic)

APPLICATION (CC, No, Date): EP 99302816 990412;

PRIORITY (CC, No, Date): JP 98128262 980422

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-011/34

ABSTRACT EP 952522 A2

also published as 6351847
An information processing device for acquiring usage data of an
application on the information processing device loads a monitoring
library when an application is launched. The monitoring library
intercepts event information arising from the application at some
midpoint between the application and an operating system, or between the
application and a library, selects some events among the event
information, and interprets the selected events on the basis of a
predetermined process. Then, the monitoring library sends the event
information to a monitoring process. The monitoring process creates usage
data on the basis of the event information and stores the usage data in a
file.

ABSTRACT WORD COUNT: 105

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 020605 A2 Legal representative(s) changed 20020418
Application: 991027 A2 Published application without search report
Examination: 991027 A2 Date of request for examination: 19990421

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9943	663
SPEC A	(English)	9943	3848
Total word count - document A			4511
Total word count - document B			0
Total word count - documents A + B			4511

INTERNATIONAL PATENT CLASS: G06F-011/34

...SPECIFICATION monitoring process monitors a plurality of applications,
at least one of the monitoring libraries may **aggregate usage data**
arising from the applications in the monitoring process.

According to this invention, usage data of...21L, 22L, and 23L which
are inserted in the applications 21, 22, and 23, respectively,
aggregates usage data which arises from the applications 21, 22, and
23 to the monitoring process 10.

Next...

...CLAIMS said monitoring process monitors a plurality of applications, at least one of said monitoring libraries **aggregates usage data** arising from said applications in said monitoring process.
4. An information processing device for acquiring...

...said monitoring process monitors a plurality of applications, at least one of said monitoring libraries **aggregates usage data** arising from said applications in said monitoring process.
7. A computer readable medium storing program...

51/5,K/20 (Item 20 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00966991
Method and system for measuring resource usage of computer systems with subsystems data.
Verfahren und Vorrichtung fur die Computerressourcenbenutzungsmessung mit Subsystemdaten

Methode et dispositif pour mesurer l'utilisation de ressources d'un sytème d'ordinateur a l'aide de donnees de sous-systemes.

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 1038226 A2 000927 (Basic)
EP 1038226 B1 040414
WO 1998026351 980618

APPLICATION (CC, No, Date): EP 97910584 971117; WO 97IB1442 971117

PRIORITY (CC, No, Date): US 763187 961210

DESIGNATED STATES: BE; DE; ES; FI; FR; GB; IE; IT; NL; SE

INTERNATIONAL PATENT CLASS: G06F-011/34

CITED PATENTS (EP B): EP 518602 A

CITED PATENTS (WO A): XP 8110 0; XP 297179 0

CITED REFERENCES (EP B):

KROON J G M ET AL: "PERFORMANCE EVALUATION PACKAGE FOR UNIX III SYSTEMS" MICROPROCESSING AND MICROPROGRAMMING, vol. 21, no. 1 - 05, August 1987, pages 347-355, XP000008110

CROWE D R: "NOVATEL'S NOVEL APPROACH TO CPU USAGE MEASUREMENT" SOFTWARE PRACTICE & EXPERIENCE, vol. 21, no. 5, 1 May 1991, pages 465-477, XP000297179;

CITED REFERENCES (WO A):

KROON J G M ET AL: "PERFORMANCE EVALUATION PACKAGE FOR UNIX III SYSTEMS" MICROPROCESSING AND MICROPROGRAMMING, vol. 21, no. 1 - 05, August 1987, pages 347-355, XP000008110

CROWE D R: "NOVATEL'S NOVEL APPROACH TO CPU USAGE MEASUREMENT" SOFTWARE PRACTICE & EXPERIENCE, vol. 21, no. 5, 1 May 1991, pages 465-477, XP000297179;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 000927 A2 Published application without search report

Application: 981118 A2 International application (Art. 158(1))

Lapse: 050406 B1 Date of lapse of European Patent in a contracting state (Country, date): BE 20040414, DE 20040715, ES 20040725, FI 20040414, SE 20040714,

Oppn None: 050406 B1 No opposition filed: 20050117

Lapse: 041222 B1 Date of lapse of European Patent in a contracting state (Country, date): SE 20040714,

Change: 031105 A2 Title of invention (French) changed: 20030918

Change: 031105 A2 Title of invention (English) changed: 20030918

Change: 031105 A2 Title of invention (German) changed: 20030918

Examination: 030115 A2 Date of dispatch of the first examination report: 20021128

Examination: 000927 A2 Date of request for examination: 19990927

Assignee: 030129 A2 Transfer of rights to new applicant: BMC Software, Inc. (4289540) 1 First Avenue Waltham, MA 02254-9111 US

Grant: 040414 B1 Granted patent

Lapse: 050112 B1 Date of lapse of European Patent in a contracting state (Country, date): ES 20040725, FI 20040414, SE 20040714,

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200416	1054
CLAIMS B	(German)	200416	970
CLAIMS B	(French)	200416	1230
SPEC B	(English)	200416	5066
Total word count - document A			0
Total word count - document B			8320
Total word count - documents A + B			8320

INTERNATIONAL PATENT CLASS: G06F-011/34

...SPECIFICATION Next, as step four, the subsystem session level utilization data is adjusted using instance level **utilization data**, and then, the **overall** overhead workload and the subsystem workload utilization are computed.
For Sybase subsystems, from Sybase instance...

...utilization data. The subsystem session level utilization data is then adjusted using the instance level **utilization data**, and then, the **overall** overhead workload and the subsystem workload utilization are computed.
The calculation of the totals for...

51/5,K/24 (Item 24 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00858518

Method of monitoring a computer system, featuring performance data distribution to plural monitoring processes

Verfahren zur Überwachung eines Computersystems mit Leistungsdatenverteilung an mehrere Überwachungsprozesse

Procede de surveillance d'un systeme d'ordinateur avec distribution de donnees de performance a plusieurs procedes de surveillance

PATENT ASSIGNEE:

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HITACHI ULSI ENGINEERING CORP., (1773080), 20-1, Josuihoncho 5-chome,
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INVENTOR:
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LEGAL REPRESENTATIVE:
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PATENT (CC, No, Kind, Date): EP 790559 A1 970820 (Basic)
EP 790559 B1 020515

APPLICATION (CC, No, Date): EP 97102343 970213;

PRIORITY (CC, No, Date): JP 9626437 960214

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: **G06F-011/34**

CITED PATENTS (EP B): US 5432932 A

CITED REFERENCES (EP B):
PROCEEDINGS OF THE FIRST AIZU INTERNATIONAL SYMPOSIUM ON PARALLEL
ALGORITHMS/ARCHITECTURE SYNTHESIS, 15 - 17 March 1995, FUKUSHIMA,
JAPAN, pages 78-84, XP000672397 HANSEN O.; KRAMMER J.: "A Scalable
Performance Analysis Tool for PowerPC based MPP systems"
PROGRAMMING ENVIRONMENTS FOR PARALLEL COMPUTING. IFIP WG 10.3 WORKSHOP, 6
- 8 April 1992, EDINBURGH UK, pages 151-160, XP000672426 BEMMERL T.,
HANSEN O., OBELOER W., WILLEKE H.: "Adapting the portable measurement
tool PATOP to the multitransputer monitoring system DELTA-T"
TECHNISCHE RUNDSCHAU, vol. 82, no. 35, 31 August 1990, pages 40-45,
XP000151487 OEHEN W CH: "FENSTER ZUR UNABHAENGIGKEIT VON HARDWARE UND
BETRIEBSSYSTEM";

NOTE:
Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
Examination: 001011 A1 Date of dispatch of the first examination
report: 20000824
Application: 970820 A1 Published application (A1with Search Report
;A2without Search Report)
Lapse: 031119 B1 Date of lapse of European Patent in a
contracting state (Country, date): FR
20030117,
Grant: 020515 B1 Granted patent
Oppn None: 030507 B1 No opposition filed: 20030218
Examination: 980422 A1 Date of filing of request for examination:
980219

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199708W3	1346
CLAIMS B	(English)	200220	1181
CLAIMS B	(German)	200220	955
CLAIMS B	(French)	200220	1312
SPEC A	(English)	199708W3	10380
SPEC B	(English)	200220	10595
Total word count - document A			11728
Total word count - document B			14043
Total word count - documents A + B			25771

INTERNATIONAL PATENT CLASS: **G06F-011/34**

...SPECIFICATION items of the captured performance data
In the embodiment 1, the performance data for plural **measurement**
items (for instance, the CPU **utilization** , the memory **utilization**

ratio , the magnetic disk storage device access frequency, and communication count) captured by the capturing process...

...SPECIFICATION items of the captured performance data

In the first embodiment, the performance data for plural measurement items (for instance, the CPU utilization , the memory utilization ratio , the magnetic disk storage device access frequency, and communication count) captured by the capturing process...

51/5,K/54 (Item 54 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00514115 **Image available**

SYSTEM AND METHOD FOR MODEL MINING COMPLEX INFORMATION TECHNOLOGY SYSTEMS
SYSTEME ET PROCEDE D'ELABORATION DE MODELES DE SYSTEMES COMPLEXES DE
TECHNOLOGIE D'INFORMATION

Patent Applicant/Assignee:

PEROT SYSTEMS CORPORATION,

Inventor(s):

ADRIAANS Pieter Willem,

KNOBBE Arno Jan,

GATHIER Marc,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9945467 A1 19990910

Application: WO 99US4685 19990304 (PCT/WO US9904685)

Priority Application: US 9836394 19980306

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH
GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE
DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR
NE SN TD TG

Main International Patent Class: G06F-011/34

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7228

English Abstract

A system and method for automatically creating causal association models of complex information technology (IT) systems. System components and elements are subject to periodic monitoring associated with performance thresholds. Numerical data indicating component state information is converted to Boolean attributes by use of defined or discovered thresholds. Resulting data is accumulated and data mined for component relations within the IT system using association rules induction methods. Models of the system may then be adapted with results generated from the analysis to accurately reflect causal relations among various system components.

French Abstract

L'invention porte sur un systeme et un procede de creation automatique par associations causales de modeles de systemes complexes de technologie d'information (IT). Les composants et elements du systeme sont soumis a

des verifications periodiques liees a des seuils de performances. Des donnees numeriques indicatrices d'informations sur l'etat des composants sont converties en attributs booléens en utilisant des seuils definis ou decouverts. Les donnees resultantes sont accumulees et explorees pour decouvrir des relations entre composants a l'interieur du systeme IT en utilisant des methodes d'induction des regles d'association. On peut alors adapter les modeles du systeme aux resultats obtenus par l'analyse pour obtenir un reflet precis des relations causales entre les differents composants du systeme.

Main International Patent Class: **G06F-011/34**

Fulltext Availability:

Detailed Description

Detailed Description

... time has been assumed to
be a good measure of performance of such an application,
total access time for database A may include the access
time of database B since effective execution of database
A is prolonged by the execution of database B. For this
case, the **total access time**, (AT) AB for startup of
13
database A may be found from the sum of...

51/5,K/55 (Item 55 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00435887

**COMPUTER SYSTEM PROCESSES AND ANALYSING PROCESS DATA WITH SUBSYSTEM DATA
PROCESS INFORMATIQUES ET ANALYSE DE DONNEES DE PROCESS AVEC DES DONNEES DE
SOUS-SYSTEME**

Patent Applicant/Assignee:

BGS SYSTEMS INC,
AGRAWAL Subhash C,
NEWMAN Kenneth,
ROTHROCK Carol,

Inventor(s):

AGRAWAL Subhash C,
NEWMAN Kenneth,
ROTHROCK Carol,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9826351 A2 19980618

Application: WO 97IB1442 19971117 (PCT/WO IB9701442)

Priority Application: US 96763187 19961210

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH KE LS MW
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE
IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: **G06F-011/34**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6443

English Abstract

A novel method of and system and procedures for more accurately measuring the resource usage of UNIX processes by sampling method, involving appropriate corrections for the resource usage of the terminated processes and analyzing UNIX process data along with subsystem data such as RDBMSs, allowing system administrators and managers to get a much better picture of who is using the resources on the system and thus perform a better job at performance analysis and capacity planning, the technique also enabling and reducing the error in the process measurements collected by sampling of the resources usage measured by the operating system and correlating the measurements taken by subsystems with the measurements taken by the operating system.

French Abstract

L'invention concerne une nouvelle methode, ainsi qu'un systeme et des procedures, qui permettent de mesurer avec plus de precision l'utilisation des ressources des process UNIX par une methode d'echantillonnage. La methode apporte les corrections necessaires pour utiliser les ressources des process terminee et analyser les donnees des process UNIX en meme temps que les donnees des sous-systeme tels que les donnees SGBDR, ce qui permet aux administrateurs et aux gestionnaires du systeme d'avoir une bien meilleure image des personnes utilisant les ressources du systeme, et ameliore ainsi l'evaluation des performance et la planification des capacites. La methode permet egalement de diminuer les erreurs survenant dans les mesures de process collectees par l'echantillonnage de l'utilisation des ressources mesuree par le systeme d'exploitation et de corréler les mesures prises par les sous-systemes avec les mesures prises par le systeme d'exploitation.

Main International Patent Class: **G06F-011/34**

Fulltext Availability:

Detailed Description

Detailed Description

... Next, as step four, the Subsystem session level utilization data is adjusted using instance level **utilization data**, and then, the **overall** overhead workload and the subsystem workload utilization are computed.

For Sybase subsystems, from Sybase instance...

...utilization data. The subsystem session level utilization data is then adjusted using the instance level **utilization data** -, and then, the **overall** overhead workload and the subsystem The calculation of the totals for utilizations by Database name...

File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
 (c) 2005 JPO & JAPIO
 File 350:Derwent WPIX 1963-2005/UD,UM &UP=200537
 (c) 2005 Thomson Derwent
 File 348:EUROPEAN PATENTS 1978-2005/Jun W02
 (c) 2005 European Patent Office
 File 349:PCT FULLTEXT 1979-2005/UB=20050609,UT=20050602
 (c) 2005 WIPO/Univentio
 File 324:German Patents Fulltext 1967-200522
 (c) 2005 Univention

Set	Items	Description
S1	79	AU=FUKASAWA M?
S2	897938	MONITOR?
S3	7	S1 AND S2

3/9/1 (Item 1 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2005 Thomson Derwent. All rts. reserv.

014470846 **Image available**
 WPI Acc No: 2002-291549/200233
 XRPX Acc No: N02-227678

Computer monitoring system for determining application software usage efficiency, calculates usage time and usage rate of application software products, based on use state recorded by monitored computer

Patent Assignee: SYSTEM SUPPORT KK (SYST-N); FUKASAWA M (FUKA-I)

Inventor: **FUKASAWA M**

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020026589	A1	20020228	US 2001922945	A	20010807	200233 B
JP 2002358216	A	20021213	JP 2001198427	A	20010629	200311

Priority Applications (No Type Date): JP 2001198427 A 20010629; JP 2000239356 A 20000808; JP 200197057 A 20010329

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020026589	A1	18	G06F-011/30	
JP 2002358216	A	12	G06F-011/34	

Abstract (Basic): US 20020026589 A1

NOVELTY - A **monitored** computer records use state of application software products. A **monitoring** computer acquires the recorded data from the **monitored** computer, to calculate usage time and usage rate of the application software products excluding idle state time, for output of application software usage efficiency.

USE - For **monitoring** a computer to determine its usage efficiency and illegal activity in e-mail transmission/reception, Internet browsing or application software installation.

ADVANTAGE - Contributes better personnel administration by **monitoring** characters input to **monitored** computer. Promotes proper use of **monitored** computers, using log of installed/un-installed software of the **monitored** computer. Business operation are easily improved by summing up use states of application software at each duty post from record at **monitored** computer. Illegal mail transmission/reception is avoided by **monitoring** mail transmission/reception at the **monitored** computer. Enables determining popular websites in business operation by acquiring log on home page

accesses made at the **monitored** computers.

DESCRIPTION OF DRAWING(S) - The figure shows flowchart illustrating log acquisition in a manager software.

pp; 18 DwgNo 6/8

Title Terms: COMPUTER; **MONITOR** ; SYSTEM; DETERMINE; APPLY; SOFTWARE; EFFICIENCY; CALCULATE; TIME; RATE; APPLY; SOFTWARE; PRODUCT; BASED; STATE ; RECORD; **MONITOR** ; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-011/30; G06F-011/34

International Patent Class (Additional): G06F-013/00; G06F-015/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-G05C; T01-J20C; T01-N02B1B; T01-N02B2; T01-N03A1; T01-S02

3/TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Road shot image managing device, to provide images of camera or video shots along road

3/TI/3 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

Induction heater with rectifier circuit - has recognition circuit for switch ON time point and clock for switch ON position for switch control

3/TI/4 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Road image managing apparatus
Strassenabbildungsverwaltungsvorrichtung
Dispositif pour gerer des images routieres

3/TI/5 (Item 2 from file: 348)

DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

Filter for image sensor
Filter fur Bildsensor
Filtre pour capteur d'images

3/TI/6 (Item 1 from file: 324)

DIALOG(R)File 324:(c) 2005 Univentio. All rts. reserv.

INDUCTION HEATER
INDUKTIONS-HEIZGERAET

3/TI/7 (Item 2 from file: 324)

DIALOG(R)File 324:(c) 2005 Univentio. All rts. reserv.

INDUCTION HEATER
INDUKTIONS-HEIZGERAET